

**NATURAL RESOURCES CONSERVATION SERVICE**  
**Wyoming**  
**CONSTRUCTION SPECIFICATIONS**  
**FOR**  
**FLOODWAY**

(Owner/Operator)	(Project Title)
<b>GENERAL</b>	
<p>Installation shall be in accordance with an approved design and plan. Details of construction shown on the drawings but not included herein are considered as a part of this specification. Construction activities shall be in accordance with applicable OSHA regulations.</p>	<p>of sod, brush, roots or other vegetative materials. The maximum size of rock that shall be incorporated into the fill is 6 inches.</p>
<b>SITE PREPARATION</b>	
<p>Area to be occupied by embankments shall be cleared of all brush, roots and debris prior to the placement of the fill. Loose earth shall not be left on the foundation area to a depth in excess of 6 inches above undisturbed foundation material. The surface of the foundation area shall be thoroughly scarified before placement of the embankment material.</p>	<p>The moisture content of fill material shall be maintained within the limits required, to prevent the adherence of the fill material to the treads and tracks of equipment and ensure the crushing and blending of the soil clods. Generally when soil material is squeezed in the hand it will retain a ball shape, but there will not be free water on the surface.</p>
<b>EXCAVATION</b>	
<p>The channel shall be excavated to the lines and grades shown on the drawings or staked in the field. To the extent needed suitable materials from the required excavations shall be used in the construction of the embankment. Excess and unsuited materials for fills shall be placed in designated disposal areas. Waste material shall be smoothed and seeded.</p>	<p>The fill material shall be placed in horizontal lifts not to exceed the thickness specified for the method of compaction.</p>
<b>COMPACTED EARTHFILL</b>	
<p>The compacted embankment shall be constructed to the lines and grades shown on the drawings. The fill materials shall be free</p>	<p>Compaction shall meet the requirements of the method designated and described below:</p> <ol style="list-style-type: none"> <li>1. <u>Sheepsfoot roller</u> - The maximum layer thickness shall be 8 inches before compaction. The roller shall have staggered, uniformly spaced tamping feet and be equipped with suitable cleaners. The weight of the roller shall be not less than 2,500 pounds per foot of width. The maximum speed of the compaction equipment shall be 3 miles per hour. The entire surface of each layer placed shall receive six passes of this equipment to attain the necessary compaction. Adjustment in the number of passes may be necessary during construction.</li> <li>2. <u>Pneumatic tired equipment</u> - The maximum layer thickness before compaction shall be six inches. A loaded scraper or wheel tractor maybe considered</li> </ol>

a pneumatic roller. The wheels of this equipment must pass over 95 percent of the surface of each lift before a new lift is placed.

3. Track laying equipment (Bulldozer)

The maximum layer thickness compaction shall be 4 inches. The tracks of the equipment must pass over 95 percent of the surface of each lift before a new lift is placed.

Compliance with compaction requirements will be determined by observation of performance for methods 1, 2, and 3. Fill not meeting the specified requirements shall be reworked or removed and replaced with acceptable fill.

A minimum of 5 percent over-fill shall be provided for settlement.

FINISH

The finished embankment and channel cross-section shall be as shown on the drawings. The final section shall have a smooth appearance.

ADDITIONAL SPECIFICATIONS